

Ag. Waste Application and Excavated Ponds
Walworth County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AgA: Agar-----	85	Not limited		Very limited Deep to water	1.00
AgB: Agar-----	85	Not limited		Very limited Deep to water	1.00
AgC: Agar-----	85	Not limited		Very limited Deep to water	1.00
AkA: Akaska-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
AkB: Akaska-----	85	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Ao: Aquolls-----	95	Very limited Ponding	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
		Depth to saturated zone	1.00		0.10
		Runoff limitation	0.40		
Ar: Arveson-----	85	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Very limited Cutbanks cave	1.00
Bn: Bon-----	90	Somewhat limited Flooding	0.60	Very limited Cutbanks cave Deep to water	1.00 0.81
BoA: Bowbells-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
BwA: Bowdle-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
BwB: Bowdle-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
BxB: Bowdle-----	55	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Wabek-----	35	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.99 0.45	Very limited Deep to water	1.00
BxC: Bowdle-----	50	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Wabek-----	40	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.99 0.45	Very limited Deep to water	1.00
BxD: Bowdle-----	50	Very limited Filtering capacity Slope	1.00 0.63	Very limited Deep to water	1.00
Wabek-----	40	Very limited Filtering capacity Droughty Slope Leaching limitation	1.00 0.99 0.63 0.45	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Co: Colvin-----	90	Very limited Depth to saturated zone Leaching limitation	1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
DeA: Demky-----	85	Very limited Restricted permeability Sodium content Runoff limitation	1.00 1.00 0.40	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.90 0.50 0.10
DeB: Demky-----	85	Very limited Restricted permeability Sodium content Runoff limitation	1.00 1.00 0.40	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.90 0.50 0.10
DgA: Demky-----	50	Very limited Restricted permeability Sodium content Runoff limitation	1.00 1.00 0.40	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.90 0.50 0.10
Jerauld-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Dm: Divide-----	85	Very limited Filtering capacity Depth to saturated zone	1.00 0.84	Very limited Cutbanks cave Deep to water	1.00 0.07

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Du: Durrstein-----	85	Very limited Restricted permeability Depth to saturated zone Flooding Sodium content Salinity	1.00 1.00 1.00 1.00 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10
Eg: Egas-----	90	Very limited Restricted permeability Depth to saturated zone Flooding Salinity Runoff limitation	1.00 1.00 1.00 0.78 0.40	Very limited Slow refill Salty water Cutbanks cave	1.00 0.78 0.10
GeE: Gettys-----	85	Very limited Slope Restricted permeability	1.00 0.89	Very limited Deep to water	1.00
Gp: Orthents, Gravelly--	99	Not rated		Not rated	
HeA: Hecla-----	90	Somewhat limited Leaching limitation	0.45	Very limited Cutbanks cave Deep to water	1.00 0.81
HhA: Highmore-----	85	Not limited		Very limited Deep to water	1.00
HhB: Highmore-----	85	Not limited		Very limited Deep to water	1.00
HhC: Highmore-----	85	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
HkA: Highmore-----	50	Not limited		Very limited Deep to water	1.00
Eakin-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HkB: Highmore-----	50	Not limited		Very limited Deep to water	1.00
Eakin-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HkC: Highmore-----	45	Not limited		Very limited Deep to water	1.00
Eakin-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HmB: Highmore-----	55	Not limited		Very limited Deep to water	1.00
Raber-----	25	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
HmC: Highmore-----	55	Not limited		Very limited Deep to water	1.00
Raber-----	30	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Ho: Hoven-----	95	Very limited Restricted permeability	1.00	Somewhat limited Salty water	0.50
		Depth to saturated zone	1.00	Slow refill	0.30
		Ponding	1.00	Cutbanks cave	0.10
		Sodium content	1.00		
		Salinity	0.50		

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		Rating class and limiting features	Value	Rating class and limiting features	Value
HuB: Hurley-----	85	Very limited Restricted permeability Droughty Sodium content Salinity Depth to bedrock	1.00 1.00 1.00 0.50 0.42	Very limited Deep to water	1.00
Je: Jerauld-----	90	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Js: Jerauld-----	55	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Slickspots, Loamy---	40	Not rated		Not rated	
LaA: Lehr-----	90	Very limited Filtering capacity Droughty	1.00 0.82	Very limited Deep to water	1.00
LaB: Lehr-----	90	Very limited Filtering capacity Droughty	1.00 0.82	Very limited Deep to water	1.00
LbB: Lehr-----	60	Very limited Filtering capacity Droughty	1.00 0.82	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Bowdle-----	30	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
LoA: Lowry-----	90	Not limited		Very limited Deep to water	1.00
LoB: Lowry-----	90	Not limited		Very limited Deep to water	1.00
LoC: Lowry-----	85	Not limited		Very limited Deep to water	1.00
M-W: Miscellaneous Water-	100	Not rated		Not rated	
Ma: Macken-----	85	Very limited Restricted permeability	1.00	Very limited Slow refill	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10
		Ponding	1.00		
		Runoff limitation	0.40		
MdB: Maddock-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
		Leaching limitation	0.45		
		Droughty	0.03		
MdC: Maddock-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
		Leaching limitation	0.45		
		Slope	0.37		
		Droughty	0.03		
Mo: Mobridge-----	85	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
OpC: Opal-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	Very limited Deep to water	1.00
Or: Orthents, Loamy-----	80	Not rated		Not rated	
OsD: Opal-----	60	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Slope	1.00 0.98 0.42 0.40 0.37	Very limited Deep to water	1.00
Sansarc-----	30	Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
Pa: Parnell-----	95	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
PrA: Parshall-----	95	Not limited		Very limited Deep to water	1.00
PrB: Parshall-----	95	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
PsA: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PsB: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
RaB: Raber-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
RaC: Raber-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
RbD: Raber-----	60	Somewhat limited Restricted permeability Slope	0.89 0.63	Very limited Deep to water	1.00
Gettys-----	35	Somewhat limited Restricted permeability Slope	0.89 0.37	Very limited Deep to water	1.00
Re: Regan-----	95	Very limited Depth to saturated zone Flooding	1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.43 0.10
SaE: Sansarc-----	50	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Opal-----	40	Very limited Restricted permeability Slope Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.98 0.42 0.40	Very limited Deep to water	1.00
SuC: Sully-----	90	Not limited		Very limited Deep to water	1.00
SuD: Sully-----	85	Very limited Slope	1.00	Very limited Deep to water	1.00
SuE: Sully-----	85	Very limited Slope	1.00	Very limited Deep to water	1.00
SwA: Bullcreek-----	90	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
TaA: Tally-----	85	Not limited		Very limited Deep to water	1.00
TaB: Tally-----	85	Not limited		Very limited Deep to water	1.00
TaC: Tally-----	85	Not limited		Very limited Deep to water	1.00
Te: Tetonka-----	95	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Us: Wendte-----	85	Very limited Restricted permeability Flooding Runoff limitation	1.00 0.60 0.40	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.90 0.10
VdD: Vida-----	85	Not Rated Not Rated Restricted permeability Low adsorption Cobble content Slope	1.00 1.00 0.12 0.04	Very limited Deep to water	1.00
VzD: Vida-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Zahl-----	30	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
W: Water-----	100	Not rated		Not rated	
WaE: Wabek-----	85	Very limited Filtering capacity Slope Droughty Leaching limitation	1.00 1.00 0.99 0.45	Very limited Deep to water	1.00
WbA: Williams-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Bowbells-----	40	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
WbB: Williams-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Bowbells-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
WdC: Williams-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Vida-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
YeB: Yecross-----	90	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.18	Very limited Deep to water	1.00
YeC: Yecross-----	90	Very limited Filtering capacity Leaching limitation Slope Droughty	1.00 0.45 0.37 0.18	Very limited Deep to water	1.00
ZaE: Zahl-----	55	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Williams-----	40	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00

